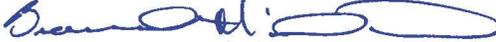




UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION III  
Environmental Sciences Center  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

DATE: March 30, 2015  
SUBJECT: Region III Data QA Review  
FROM: Brandon McDonald   
Region III ESAT PO (3EA22)  
TO: Michael Towle  
On-Scene Coordinator (3HS31)

Attached is the organic data validation report for the Queen Street VOC site for Case/DAS#44891; SDG#:C01G9 completed by the Region III Environmental Services Assistance Team (ESAT), ICF International, contractor under the direction of Region III EAID.

If you have any questions regarding this review, please call me at (410) 305-2607.

Attachment

cc:  (Tech Law)

TO: #0002 TDF: #0315016

OFFICE OF ANALYTICAL SERVICES AND QUALITY ASSURANCE





ICF International  
ESAT Region 3  
US Environmental Protection Agency Environmental Science Center  
701 Mapes Road Ft. Meade, MD 20755-5350  
Phone 410-305-3011

**DATE:** March 18, 2015

**TO:** Brandon McDonald  
ESAT Region 3 Project Officer

**FROM:** [REDACTED]  
Data Review Chemist

[REDACTED]  
ESAT Region 3 Team Manager

**SUBJECT:** Organic Data Validation (S4VEM)  
Site: Queen Street VOC  
Case: 44891, SDG: C01G9

## **OVERVIEW**

Case 44891, Sample Delivery Group (SDG) C01G9, consisted of eleven (11) aqueous samples including two (2) rinsate blanks and one (1) trip blank analyzed for trace volatile compounds by Spectrum Analytical Incorporated (MITKEM) according to Contract Laboratory Program (CLP) Statement of Work (SOW) SOM01.2 through the Routine Analytical Services (RAS) program.

## **SUMMARY**

Validation of data was performed according to the Organic National Functional Guidelines utilizing the Environmental Data Exchange and Evaluation System (EXES) and is assigned the Superfund Data Validation Label S4VEM (Stage\_4\_Validation\_Electronic\_Manual). Areas of concern with respect to data usability are listed below.

## **NOTES**

Compounds detected below Contract Required Quantitation Limits (CRQLs) were qualified "J" unless raised to CRQL and qualified "U" due to blank contamination.

The detected concentration of toluene in sample C01G8, which was <CRQL has, been reported at the CRQL and qualified "U" due to this compound being present in the rinsate and trip blanks associated with this sample.

Accuracy and precision criteria were met by the laboratory in the initial and continuing calibration verification standards associated with the samples in this SDG. No data were qualified based on this finding.

Tentatively Identified Compounds (TICs) were not validated. The “NJ” qualifier is applied to all non-target compounds listed in the sample Summary Report (SSR) and Electronic Data Deliverable (EDD) in addition to other laboratory qualifiers. This is a regional modification to the National Functional Guidelines (NFG) for reporting of TICs. The SSR may not reflect the complete list of TICs included in the EDD. Additionally, the validation level “NV” (Not Validated) is applied to these data.

No manual integrations were performed by the laboratory on any sample or standard in this sample set.

#### **GLOSSARY OF DATA QUALIFIER CODES (ORGANIC)**

- U The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.
- J The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).
- B Analyte is presumed to be a blank contamination artifact.
- NJ The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
- UJ The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.
- R The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
- C This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).
- X This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.

DCN: ESATR3-2015-V193

# Sample Summary Report

Case No: 44891	Contract: EPW11033	SDG No: C01G9	Lab Code: MITKEM
Sample Number: C01G8	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: IDW-01	pH: 2.0	Sample Date: 12/03/2014	Sample Time: 14:40:00
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Acetone	Target	12		ug/L	12		1.0	Yes	S4VEM
Carbon disulfide	Target	0.16	J	ug/L	0.16	J	1.0	Yes	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl tert-butyl ether	Target	0.15	J	ug/L	0.15	J	1.0	Yes	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Butanone	Target	24		ug/L	24		1.0	Yes	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Benzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Toluene	Target	0.50	U	ug/L	0.26	J	1.0	Yes	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Ethylbenzene	Target	0.19	J	ug/L	0.19	J	1.0	Yes	S4VEM
o-Xylene	Target	0.63		ug/L	0.63		1.0	Yes	S4VEM
m,p-Xylene	Target	1.1		ug/L	1.1		1.0	Yes	S4VEM
Styrene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromoform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Hexanal	TIC	3.0	NJ	ug/L	3.0	NJ	1.0	Yes	NV
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Case No: 44891	Contract: EPW11033	SDG No: C01G9	Lab Code: MITKEM
Sample Number: C01G9	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: MW-11	pH: 2.0	Sample Date: 12/03/2014	Sample Time: 10:30:00
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Acetone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Benzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Toluene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
m,p-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Styrene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromoform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Case No: 44891	Contract: EPW11033	SDG No: C01G9	Lab Code: MITKEM
Sample Number: C01H0	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: MW-12	pH: 2.0	Sample Date: 12/03/2014	Sample Time: 09:30:00
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Acetone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl tert-butyl ether	Target	0.20	J	ug/L	0.20	J	1.0	Yes	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Benzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Toluene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
m,p-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Styrene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromoform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Case No: 44891	Contract: EPW11033	SDG No: C01G9	Lab Code: MITKEM
Sample Number: C01H1	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: MW-13	pH: 2.0	Sample Date: 12/02/2014	Sample Time: 15:10:00
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloromethane	Target	0.16	J	ug/L	0.16	J	1.0	Yes	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Acetone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Benzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Toluene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
m,p-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Styrene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromoform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Case No: 44891	Contract: EPW11033	SDG No: C01G9	Lab Code: MITKEM
Sample Number: C01H2	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: MW-2	pH: 2.0	Sample Date: 12/03/2014	Sample Time: 13:27:00
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Acetone	Target	21		ug/L	21		1.0	Yes	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl tert-butyl ether	Target	0.97		ug/L	0.97		1.0	Yes	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Cyclohexane	Target	0.62		ug/L	0.62		1.0	Yes	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Benzene	Target	0.20	J	ug/L	0.20	J	1.0	Yes	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Toluene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
m,p-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Styrene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromoform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Isopropylbenzene	Target	0.22	J	ug/L	0.22	J	1.0	Yes	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
4,7-Methanoindene, 3a,4,5,6,7,7a-hexahyd	TIC	0.83	NJ	ug/L	0.83	NJ	1.0	Yes	NV
Benzene, 2-ethenyl-1,4- dimethyl-	TIC	0.69	NJ	ug/L	0.69	NJ	1.0	Yes	NV
1H-Indene, 2,3-dihydro-4- methyl-	TIC	0.66	NJ	ug/L	0.66	NJ	1.0	Yes	NV
Benzene, 1-methyl-2-(1- methylethyl)-	TIC	0.78	NJ	ug/L	0.78	NJ	1.0	Yes	NV
Benzene, 1,2,3,5-tetramethyl-	TIC	1.4	NJ	ug/L	1.4	NJ	1.0	Yes	NV
Benzene, propyl-	TIC	0.85	NJ	ug/L	0.85	NJ	1.0	Yes	NV

Case No: 44891	Contract: EPW11033	SDG No: C01G9	Lab Code: MITKEM
Sample Number: C01H3	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: MW-6	pH: 2.0	Sample Date: 12/02/2014	Sample Time: 16:43:00
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Acetone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl tert-butyl ether	Target	0.22	J	ug/L	0.22	J	1.0	Yes	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Benzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Toluene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
m,p-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Styrene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromoform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Case No: 44891	Contract: EPW11033	SDG No: C01G9	Lab Code: MITKEM
Sample Number: C01H4	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: MW-7	pH: 2.0	Sample Date: 12/03/2014	Sample Time: 11:57:00
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Acetone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroform	Target	0.30	J	ug/L	0.30	J	1.0	Yes	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Benzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Toluene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
m,p-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Styrene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromoform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Case No: 44891	Contract: EPW11033	SDG No: C01G9	Lab Code: MITKEM
Sample Number: C01H5	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: RB-01	pH: 2.0	Sample Date: 12/02/2014	Sample Time: 17:15:00
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Acetone	Target	5.2		ug/L	5.2		1.0	Yes	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylene chloride	Target	1.0		ug/L	1.0		1.0	Yes	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Benzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Toluene	Target	0.12	J	ug/L	0.12	J	1.0	Yes	S4VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
m,p-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Styrene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromoform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Case No: 44891	Contract: EPW11033	SDG No: C01G9	Lab Code: MITKEM
Sample Number: C01H6	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: RB-02	pH: 2.0	Sample Date: 12/03/2014	Sample Time: 11:10:00
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Acetone	Target	5.3		ug/L	5.3		1.0	Yes	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylene chloride	Target	0.96		ug/L	0.96		1.0	Yes	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Benzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Toluene	Target	0.11	J	ug/L	0.11	J	1.0	Yes	S4VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
m,p-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Styrene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromoform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Case No: 44891	Contract: EPW11033	SDG No: C01G9	Lab Code: MITKEM
Sample Number: C01H7	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: TB-01	pH: 2.0	Sample Date: 12/02/2014	Sample Time: 21:10:00
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Acetone	Target	5.3		ug/L	5.3		1.0	Yes	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylene chloride	Target	1.0		ug/L	1.0		1.0	Yes	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Benzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Toluene	Target	0.11	J	ug/L	0.11	J	1.0	Yes	S4VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
m,p-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Styrene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromoform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Case No: 44891	Contract: EPW11033	SDG No: C01G9	Lab Code: MITKEM
Sample Number: C01H8	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: MW-17	pH: 2.0	Sample Date: 12/03/2014	Sample Time: 12:10:00
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Acetone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroform	Target	0.33	J	ug/L	0.33	J	1.0	Yes	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Benzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Toluene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
m,p-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Styrene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromoform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Case No: 44891	Contract: EPW11033	SDG No: C01G9	Lab Code: MITKEM
Sample Number: VBLK5B	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: MB-80302	pH: 7.0	Sample Date: 12/05/2014	Sample Time: 14:25:00
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Acetone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Benzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Toluene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
m,p-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Styrene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromoform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Case No: 44891	Contract: EPW11033	SDG No: C01G9	Lab Code: MITKEM
Sample Number: VHBLK5B	Method: VOA_Trace	Matrix: Water	MA Number: DEFAULT
Sample Location: VHBLK5B	pH: 7.0	Sample Date: 12/05/2014	Sample Time: 21:43:00
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Acetone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chloroform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Benzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Toluene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.000000	U	1.0	Yes	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
m,p-Xylene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Styrene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Bromoform	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.500000	U	1.0	Yes	S4VEM

